## **Disinfectants and Disinfection Byproducts Rule Disinfection Byproduct Precursor Reporting Form** (for systems using conventional filtration)

System Name:	
PWSID:	

			(A)	(B)	(C)		(D)	(E)	
Year	Month	Sample	Finished	Source	%	Source	Required	TOC	Quarterly
		Set Date	Water	Water TOC	Removal	Water	TOC	Ratio	Average
			TOC	(mg/L)		Alkalinity	Removal %	Monthly	Ratio
			(mg/L)			(mg/L)			
	January								
	February								
	March								
	April								
	May								
	June								
	July								
	August								
	September								
	October								
	November								
	December								
Finished TOC Average:					of Quarterly erage Ratios:				
Were Removal Requirements met? (circle one)			Yes	No			Must be >1.00		
DBP Precursor Sampling Frequency: (circle one)					Monthly	Quarterly			

Percent TOC Removal Required (Column D)

	Source Water Alkalinity					
	0 - 60 60 - 120 >120					
Source Water TOC	mg/L	mg/L	mg/L			
>2 - 4.0 mg/L	35%	25%	15%			
>4.0 – 8.0 mg/L	45%	35%	25%			
>8 mg/L	50% 40% 309					

uations:

Column  $C = (1 - (A / B)) \times 100$ 

Column D = See table above

Column E = C / D

lotes:			

System Operator:	Date:
System Operator:	Date:

Please submit completed form to: John McDunn Public Water Supply Section P.O. Box 200901 Helena, MT 59620-0901 (406) 444-5312 jmcdunn@mt.gov

## Disinfectants and Disinfection Byproducts Rule Disinfection Byproduct Precursor Reporting Form

(for systems using conventional filtration)

System Name: Valley City
PWSID: MT1534268

		(A)	(B)	(C)		(D)	(E)	
Month	Sample	Finished	Source	%	Source	Required	TOC	Quarterly
	Set Date	Water	Water TOC	Removal	Water	TOC	Ratio	Average
		TOC	(mg/L)		Alkalinity	Removal %	Monthly	Ratio
		(mg/L)			(mg/L)			
January		1.8	2.5	28	117	25	1.12	
February	2/2/05	1.5	2.3	34.8	115	25	1.39	1.67
March	3/2/05	1.5	2.4	37.5	126	15	2.5	
April	4/6/05	1.6	2.6	38.4	130	15	2.56	
May	5/4/05	1.4	3.0	53.3	153	15	3.55	2.91
June	6/1/05	1.7	2.8	39.3	144	15	2.62	
July	7/6/05	1.6	3.0	46.7	126	15	3.11	
August	8/3/05	1.5	2.7	44.4	152	15	2.96	3.04
September	9/1/05	1.3	2.4	45.8	134	15	3.05	
October	10/6/04	1.2	2.1	23.8	125	15	1.58	
November	11/3/04	1.5	2.4	42.8	119	25	1.71	1.52
December	12/1/04	1.7	2.1	19	123	15	1.27	
		4 -				Average	of Quarterly	2 225
Finished TO	C Average:	1.5				Ave	erage Ratios:	2.285
Were Removal Requirements met?								Must be >1.00
(circle one)								141ust 06 >1.00
2	March April May June July August September October November December	February 2/2/05  March 3/2/05  April 4/6/05  May 5/4/05  June 6/1/05  July 7/6/05  August 8/3/05  September 9/1/05  October 10/6/04  November 11/3/04  December 12/1/04  Finished TOC Average:  Were R	January         1/5/05         1.8           February         2/2/05         1.5           March         3/2/05         1.5           April         4/6/05         1.6           May         5/4/05         1.4           June         6/1/05         1.7           July         7/6/05         1.6           August         8/3/05         1.5           September         9/1/05         1.3           October         10/6/04         1.2           November         11/3/04         1.5           December         12/1/04         1.7           Finished TOC Average:         1.5           Were Removal Requestions         1.5	January         1/5/05         1.8         2.5           February         2/2/05         1.5         2.3           March         3/2/05         1.5         2.4           April         4/6/05         1.6         2.6           May         5/4/05         1.4         3.0           June         6/1/05         1.7         2.8           July         7/6/05         1.6         3.0           August         8/3/05         1.5         2.7           September         9/1/05         1.3         2.4           October         10/6/04         1.2         2.1           November         11/3/04         1.5         2.4           December         12/1/04         1.7         2.1           Finished TOC Average:           Were Removal Requirements met?	January         1/5/05         1.8         2.5         28           February         2/2/05         1.5         2.3         34.8           March         3/2/05         1.5         2.4         37.5           April         4/6/05         1.6         2.6         38.4           May         5/4/05         1.4         3.0         53.3           June         6/1/05         1.7         2.8         39.3           July         7/6/05         1.6         3.0         46.7           August         8/3/05         1.5         2.7         44.4           September         9/1/05         1.3         2.4         45.8           October         10/6/04         1.2         2.1         23.8           November         11/3/04         1.5         2.4         42.8           December         12/1/04         1.7         2.1         19           Were Removal Requirements met? (circle one)         Yes           DBP Precursor Sampling Frequency: Monthly	January         1/5/05         1.8         2.5         28         117           February         2/2/05         1.5         2.3         34.8         115           March         3/2/05         1.5         2.4         37.5         126           April         4/6/05         1.6         2.6         38.4         130           May         5/4/05         1.4         3.0         53.3         153           June         6/1/05         1.7         2.8         39.3         144           July         7/6/05         1.6         3.0         46.7         126           August         8/3/05         1.5         2.7         44.4         152           September         9/1/05         1.3         2.4         45.8         134           October         10/6/04         1.2         2.1         23.8         125           November         11/3/04         1.5         2.4         42.8         119           December         12/1/04         1.7         2.1         19         123    Finished TOC Average:  DBP Precursor Sampling Frequency Monthly Ouarterly	January         1/5/05         1.8         2.5         28         117         25           February         2/2/05         1.5         2.3         34.8         115         25           March         3/2/05         1.5         2.4         37.5         126         15           April         4/6/05         1.6         2.6         38.4         130         15           May         5/4/05         1.4         3.0         53.3         153         15           June         6/1/05         1.7         2.8         39.3         144         15           July         7/6/05         1.6         3.0         46.7         126         15           August         8/3/05         1.5         2.7         44.4         152         15           September         9/1/05         1.3         2.4         45.8         134         15           October         10/6/04         1.2         2.1         23.8         125         15           November         11/3/04         1.5         2.4         42.8         119         25           December         12/1/04         1.7         2.1         19         123         <	January         1/5/05         1.8         2.5         28         117         25         1.12           February         2/2/05         1.5         2.3         34.8         115         25         1.39           March         3/2/05         1.5         2.4         37.5         126         15         2.5           April         4/6/05         1.6         2.6         38.4         130         15         2.56           May         5/4/05         1.4         3.0         53.3         153         15         2.56           May         5/4/05         1.4         3.0         53.3         153         15         2.56           May         5/4/05         1.6         3.0         53.3         153         15         2.56           July         7/6/05         1.6         3.0         46.7         126         15         3.11           August         8/3/05         1.5         2.7         44.4         152         15         2.96           September         9/1/05         1.3         2.4         45.8         134         15         3.05           October         10/6/04         1.2         2.1         2

Percent TOC Removal Required (Column D)

Toront Too Items (at Ite and Column 2)							
	Source Water Alkalinity						
	0 - 60 60 - 120 >120						
Source Water TOC	mg/L	mg/L	mg/L				
>2 - 4.0 mg/L	35%	25%	15%				
>4.0 - 8.0  mg/L	45%	35%	25%				
>8 mg/L	50%	40%	30%				

**Equations:** 

Column  $C = (1 - (A / B)) \times 100$ 

Column D = See table above

Column E = C / D

Notes:

Please call if you have any questions: 555-5655.

System Operator: <u>Todd Valley</u> Date: <u>9/17/05</u>

Please submit completed form to: John McDunn Public Water Supply Section P.O. Box 200901 Helena, MT 59620-0901 (406) 444-5312 jmcdunn@mt.gov